

Coding Which is Stable With Respect to Fading  
(Anti-Fading Coding), by E. L. Blokh,  
A. A. Kharkovich, 6 pp.

RUSSIAN, per, Elektromyazi, Vol XIV, No 4,  
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SI-1-16 751

REF B-167

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171, 2.83

54A 62-32434

Sci

Oct 61

← Calculation of Intermediate-Frequency  
Amplitudes for Radio Relay Stations of Communi-  
cation Lines With Frequency Multiplexing, by  
B. A. Kalabekov, 14 pp. 9672596

RUSSIAN, per, Elektrosvyaz', No 4, 1960,  
pp 38-48.

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Sci - Electron

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Cross-Distortion in the Joint Transmission of  
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Yu. T. Maksimov, L. P. Merkader, 19 pp.

RUSSIAN, per, Elektrosvyaz', No 4, 1960, pp 49-61.

9672597

5-A 62-32635  
URASIA Tr 1229

SI-1-16 753

Sci - Electron

168,304

Sep 61

Criteria for Estimating the Quality of Telegraphic  
Transmission, by N. B. Zeliger, 15 pp.

RUSSIAN, par, Elektrosvyaz', No 4, 1960,  
pp 62-71. 9672598

SLA 62-32626  
UBASIA Tr 1230

SI-1-16 754

168,303

Sci - Electron

Sep 61

Levin, G. A., Levin, B. R. and others.  
INCREASED EFFICIENCY OF MULTI-CHANNEL  
SYSTEMS WITH TIME-DIVISION OF CHANNELS  
(Povyshenie Effektivnosti Mnogokanal'nykh Sistem s  
Vremennym Razdeleniem Kanalov). [1961] [8] p. 5 refs.  
[DSIR LLU] M. 2799.  
Order from OTS or SLA \$1.10

61-23299

Trans. of 'Elektrosvyaz' (USSR) 1960 [v. 14] no. 5,  
p. 10-16.

DESCRIPTORS: \*Pulse communication systems, Effec-  
tiveness, Tests.

Possibilities are indicated for raising the channel ca-  
pacity of pulse communications systems by employing  
the statistics of instantaneous values of a signal and the  
activity of telephone channels. A theoretical investiga-  
tion is made into interval pulse-time modulation which  
enables these possibilities to be implemented. (Author)

61-23299

- I. Levin, G. A.
- II. Levin, B. R.
- III. DSIR LLU M. 2799

5530

(Engineering--Electronic, TT,  
v. 6, no. 9)  
Office of Technical Services

Waveguide Measures, 4 pp.

RUSSIAN, per, Elektrosvyaz', No 5, 1960,  
pp 38-44.

AID SIR-3462

Sci - Electron  
Aug 60

122,475

Sudden Attenuation of Radio Shortwaves in the  
Ionosphere (1938-1950), by G. M. Bartenev, 12 pp.

RUSSIAN, per, Elektrosvyazi, No 5, 1960, pp 45-50.

USASIA Tr-1170

Sci - Electronics  
Jul 61

OTS 64-12-100

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The Transmission of Discret Signals by Means of  
Phase-Difference Keying, by N. P. Bobrov.

RUSSIAN, per, Elektrosvyaz', No 6, 1960, pp 3-9.

NLL M. 2800

Sci + Engr

Jan 62

180,048



Calculation of Noise in the Channels of a Radio  
Relay Line With the Introduction of Predistortions,  
by E. I. Gerenrot, 8 pp.

RUSSIAN, per, Elektrosvyaz', No 6, 1960, pp 28-32.

9672597

URASIA Tr 1231

SI-1-16 755

Sci - Electron

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Long-Range Tropospheric Propagation of Ultrashort W  
Waves, by A. I. Kalinin, 20 pp.

RUSSIAN, per, Elektrosvyaz, No 6, 1960,  
pp 39-49. 9672601

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SI-1-16 756

Sci - Electron

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Parameters of a Overhead Communication Line at  
High Frequencies, by V. V. Roditi, 6 pp.

RUSSIAN, per, Elektrosvyaz', No 6, 1960,  
pp 54-57. 9672600

URASIA Tr 1233  
SI-1-16 257  
168,200

Sci - Electron

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Influence of Direct-Current Electric Railways  
on the Long-Distance Supply Networks of Symmetri-  
cal Cable Trunk Line Apparatus, by V. M.  
Bishuyev, 11 pp.

RUSSIAN, per, Elektrosvyaz, No 6, 1960,  
pp 58-65. 9672602

UBASIA Tr 1234

51-1-16 258

168, 299

Sci - Electron

Sep 61

(NY-2900/27)

Specialized Computing Machine for Harmonic  
Synthesis and Harmonic Analysis, by A. M.  
Zayezdnyy, L. M. Rakhovich, 6 pp.

RUSSIAN, per, Elektrosvyaz', No 6, 1960,  
pp 66-68.

JPRS 7329

USSR  
Econ  
Jan 61

137,015

Quantization Noises in Coding Signals of  
Uniform Spectral Density, by B. Ye. Trofimov,  
14 pp.

RUSSIAN, per, Elektrosvyaz, No 7, 1960,  
pp 3-12. 95767390

FTD-TT-62-168

Sci - Electron

198,270

28 May 62

On the Combination Reception of Signals Separated  
by Means of Arrival Angle in Long-Distance  
Tropospheric UHF Communication, by A. S.  
Nemirovskiy, 10 pp.

RUSSIAN, per, Elektrosvyaz', No 8, 1960,  
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Sci - Electron

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Electromagnetic Coupling Between Twisted Circuits  
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tion, by V. O. Shartan, 13 pp.

RUSSIAN, per, Elektrosvyaz', No 8, 1960,  
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Sci - Electron

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Potential Noise Stability in Short-Wave Radio-  
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RUSSIAN, per, Elektrosvyaz', No 9, 1960,  
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Sci - Electron

168, 296

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Design of Resonance Ferrite Tubes, by A. L.  
Mikayelyan, A. K. Stolyarov, 17 pp.

RUSSIAN, per, Elektrosvyaz', No 9, 1960,  
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USASIA Tr 1200

Sci - Electron

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Sep 61

OTS 62-32651

Increased Efficiency of Multi-Channel Systems  
With Time-Division of Channels, by G. A. Levin,  
et al.

RUSSIAN, per, 'Elektrosvyaz', Vol V, No 10, 1960,  
pp 10-16.

NLL M. 2799

Sci - Engr

Jan 62

180,049

Protective Effect of a Periscopic Antenna System,  
by A. M. Pokras, 10 pp.

RUSSIAN, per, Elektrosvyaz, No 10, 1960.  
pp 21-26.

UBASIA Tr 1201

Sci - Electron

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Sep 61

OTS 62-88592

Waveguides With Low Losses, by Yu. I.  
Kaznacheyev, 10 pp.

RUSSIAN, per, Elektrosvyaz', No 10, 1960,  
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OTS 62-32597  
UBASIA Tr 1402

168,290

Sci - Electron

Sep 61

(DC-5257)

R-600 Radio Relay System, by N. N. Kamenskiy,  
14 pp. *Uncl*

RUSSIAN, per, Elektron, No 10, Oct 1960,  
pp 53-61.

*OTC 62-32277*

JPRS 6998

*AC 57-177**17-1007*

Sci - Electron

*USACIA TR 1402*

Apr 61

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Determination of the Transmission Level in HF  
Telephone System Operating on Pre-Selection,  
by S. A. Dvorkin, 12 pp.

RUSSIAN, per, Elektrosvyaz', No 10, 1960, pp 62-69.

UEASIA Tr 1204

Sci - Electron

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OTS 22-30400

Frequency and Amplitude Detection of the Beats  
of Two Harmonic Voltages, by V. M. Sidorov,  
21 pp.

RUSSIAN, per, Elektrosvyaz', No 11, 1960,  
pp 3-14.

UBASIA Tr 1206

168, 291

Sci - Electron

849 61



Achievement of Highly-Stable Variable Frequency  
by Means of Phase Self-Tuning, by B. P.  
Terent'yev, V. V. Shakhgil'dyan, 11 pp.

RUSSIAN, per, Elektrosvyaz', No 11, 1960,  
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OTS 62-55601  
UBASIA Tr 1295

Sci - Electron

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On the Design of Pulse Transformers Using Ring  
Ferrite Cores, by S. P. Mironov, 13 pp.

RUSSIAN, per, Elektrosvyas', No 11, 1960,  
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OTS 62-22601  
UBASIA Tr 1207

Sci - Electron

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AWA

Waveguide Components for Millimeter Waves, by  
Yu. I. Kaznacheyev,

RUSSIAN, per, Elektrosvyaz, No 11, 1960,  
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OTS 62-32604  
NASA TT F-8048

Sci  
Oct 61  
List 2

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USASIA TR 1247

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Selection of the Twist Spacing for ~~MMHF~~ Communi-  
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0715 62-34605  
USASIA Tr 1209

Sci - Electron

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On Certain Classes of Ternary Codes, by K. A.  
Meshkovskiy, 13 pp.

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OTS 62-5260

UEASIA Tr 1210

Sci - Electron

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The "IGLA" TV Transmitting Station, by G. S.  
Borisov, 3 pp.

RUSSIAN, per, Elektrosvyaz, No 11, 1960,  
pp 74, 75.

USASIA Tr 1211

Sci - Electron

168, 282

Sep 61

The Dependence of Scatter Power on the Statistical  
Characteristics of a Turbulent Atmosphere, by  
A. V. Prosin, 13 pp.

RUSSIAN, per, Elektrosvyaz, No 12, 1960.

UBASIA Tr-1142

Sci - Geophys  
May 61

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62-32630

Prosin, A. V.

THE DEPENDENCE OF SCATTER POWER ON THE  
STATISTICAL CHARACTERISTICS OF A TURBULENT  
ATMOSPHERE. [1962] [14]p. 5 refs. [USASIA] Trans.  
log. no. 1142.

Order from OTS or SLA \$1.60

62-32630

Trans. of 'Elektrosvyaz' (USSR) 1960 [v. 14] no. 12  
[p. 3-10].

DESCRIPTORS: Atmosphere, \*Troposphere, \*Atmos-  
pheric motion, Dielectric properties, Permeability,  
\*Radio waves, Propagation, \*Scattering, Statistical  
functions, Antennas

On the basis of the correlation function and assuming  
the intensity of the dielectric permeability fluctuations  
to be arbitrarily and progressively dependent on height,  
a general method has been worked out for the calculation  
(Physics- -Wave Propagation, TT, v. 9, no. 9) (over)

I. Prosin, A. V.

II. USASIA Trans-1142

III. Army Signal Intelligence  
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Office of Technical Services



Efficiency and Interference-Suppression of  
Different Methods of Double Signal Transmission,  
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SLA 62 -32608  
USASIA Tr 1212

Sci - Electron

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89 61

Certain Problems Involving the Operation of a  
Ratio Detector, by B. I. Savitskiy, 15 pp.

RUSSIAN, per, Elektrosvyaz', No 12, 1960,  
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SLA 62-32609  
UBASIA, Tr 1213

Sci - Electron

168, 283

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Parameters of a Semiconductor Triode Under  
High-Frequency Conversion Conditions, by M. E.  
Novshovich, 14 pp.

RUSSIAN, per, Elektrosvyaz', No 12, 1960.  
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UBASIA Tr 1414

Sci - Electron

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Quantum Paramagnetic Amplifiers of Ultra  
High Frequencies, by V. B. Shteynshleyger, 12 pp.

RUSSIAN, per, Elektrosvyaz, No 12, 1960,  
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Sci - Electron

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Contactless Telegraphic Test Signal Emitter,  
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Sci - Electron

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New Method of Speech Spectrum Synthesis, by  
A. M. Polykovskiy, 10 pp.

RUSSIAN, per, Elektrosvyaz, No 12, 1960,  
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54A 62-32615  
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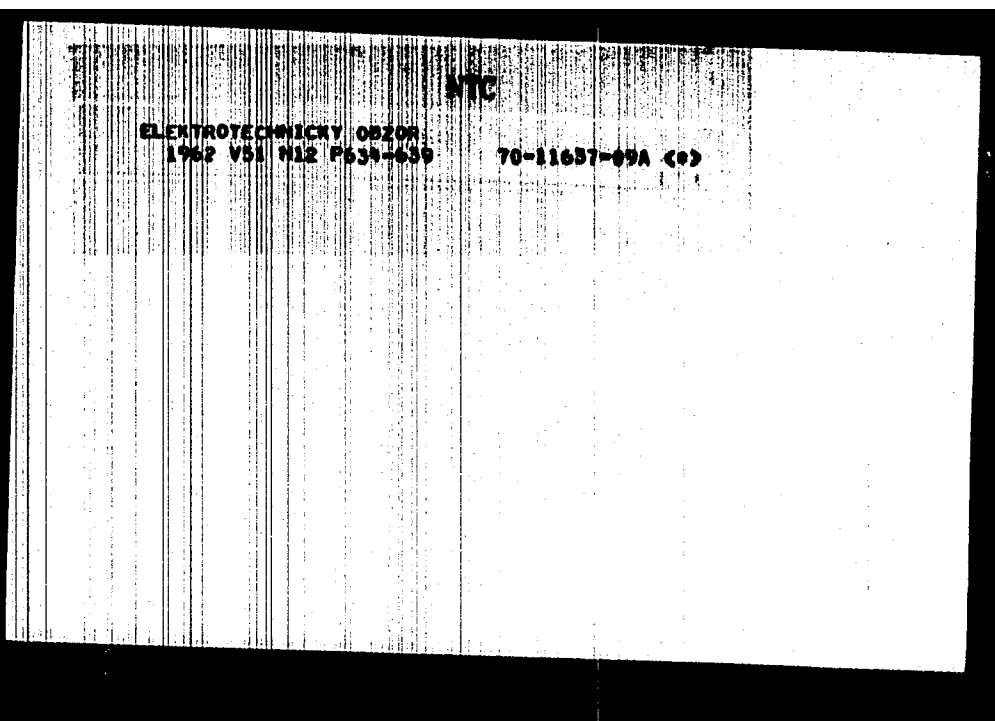
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(Telecommunications and Radio  
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Washington, D.C. 20005  
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The Torque of Synchronous Motors in the  
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Sci -  
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A Stator Winding Machine of the OS-627  
Type, by I. Sh. Benderski, K. K. Popov.  
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